(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 7 July 2005 (07.07.2005)

PCT

(10) International Publication Number WO 2005/061094 A1

(51) International Patent Classification⁷: **B01J 19/00**, G06K 9/64, G01N 15/14

(21) International Application Number:

PCT/DK2004/000911

(22) International Filing Date:

22 December 2004 (22.12.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

PA 2003 01918 22 December 2003 (22.12.2003) DK 60/535,520 12 January 2004 (12.01.2004) US

- (71) Applicant (for all designated States except US): CARLS-BERG A/S [DK/DK]; Gamle Carlsberg Vej 10, DK-2500 Valby (DK).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): CHRISTENSEN, Soeren, Flygenring [DK/DK]; Frederiksberg Bredegade 7b, 1tv, DK-2000 Frederiksberg (DK). JOHANNSEN, Ib [DK/DK]; Munkevej 24, DK-3500 Vaerloese (DK).

CARSTENSEN, Jens, Michael [DK/DK]; Druestrupvej 3, DK-4632 Bjæverskov (DK). KUHLMANN, Lionel [DK/DK]; Foraarsvej 32, DK-2920 Charlottenlund (DK).

- (74) Agent: HØIBERG A/S; Store Kongensgade 59 A, DK-1264 Copenhagen K. (DK).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,

[Continued on next page]

(54) Title: IDENTIFICATION OF ENCODED BEADS

CCD detection Quartz flowcell with teflon filling CDD detection system: The 3 CCD detector plates are positioned on orthogonal axis in Cartesian co-ordinate system around the flow cell

(57) Abstract: The present invention is relates to methods for the identification of spatially encoded beaded or granulated matrices comprising a plurality of immobilised particles. The identification is based on a distance matrix determination or based on a set of geometrical figures, such a triangles, on the basis of which individual matrices can be determined.

WO 2005/061094 A1



SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.